



## Appendix E

List of prior art not cited in Applicants' related co-pending applications but cited in Applicants' prior applications (see Appendix D) relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

PATENT	DATE	NAME	CLASS	FILING DATE
2,511,085	June 13, 1950	Smith	381/104	November 15, 1946
2,573,349	October 30, 1951	Miller et al.	725/14	December 9, 1949
2,769,023	October 30, 1956	Loew et al.	725/143	January 19, 1950
2,788,387	April 9, 1957	Druz	380/320	October 2, 1951
2,864,865	December 16, 1958	Morris	568/430	May 4, 1955
2,866,962	December 30, 1958	Ellet	380/227	December 6, 1955
3,016,091	January 9, 1962	Daniele	162/391	August 11, 1960
3,071,642	January 1, 1963	Mountjoy et al.	725/151	February 21, 1957
3,213,201	October 19, 1965	Flood et al.	370/381	July 2, 1962
3,238,297	March 1, 1966	Pawley et al.	380/240	July 8, 1951
3,363,250	January 9, 1968	Jacobson	340/825.17	July 20, 1965
3,531,586	September 29, 1970	Bass et al.	725/151	April 19, 1965
3,536,833	October 27, 1970	Guanella	380/28	July 8, 1965
3,569,937	March 9, 1971	Hoetter	340/825.75	November 6, 1968
3,573,747	April 6, 1971	Adams et al.	705/37	February 24, 1969
3,601,528	August 24, 1971	McVoy	724/143	June 16, 1969
3,609,697	September 28, 1971	Blevins et al.	717/2	October 21, 1968
3,657,699	April 18, 1972	Rocher et al.	380/265	June 30, 1970
3,659,046	April 5, 1972	Angeleri et al.	380/43	May 13, 1969
3,693,090	September 29, 1972	Gabriel	725/1	August 8, 1969
3,703,684	November 21, 1972	McVoy	725/16	June 25, 1971
3,725,672	April 3, 1973	Reuter	327/176	July 30, 1971
3,729,581	April 24, 1973	Anderson	348/640	September 3, 1973
3,731,197	May 1, 1973	Clark	380/36	December 15, 1969
3,736,369	May 29, 1973	Vogelman et al.	380/228	March 13, 1972
3,749,845	July 31, 1973	Fraser	370/433	August 27, 1971
3,757,225	September 4, 1973	Ukicki	725/1	March 16, 1972
3,773,977	November 20, 1973	Guanella	380/36	June 21, 1971
3,777,053	December 4, 1973	Wittig et al.	380/228	May 16, 1972
3,789,137	January 29, 1974	Newell	386/98	April 7, 1972
3,798,359	March 19, 1974	Feistel	380/37	June 30, 1971
3,798,610	March 19, 1974	Bliss et al..	709/236	December 20, 1972
3,806,814	April 23, 1974	Forbes	725/119	April 26, 1972
3,819,852	June 24, 1974	Wolf	348/478	August 29, 1972
3,824,332	July 16, 1974	Horowitz	380/222	February 18, 1972
3,824,467	July 16, 1974	French	380/35	December 1, 1972
3,825,893	July 23, 1974	Bossen et al.	714/757	May 29, 1973
3,833,757	September 3, 1974	Kirk, Jr. et al.	725/144	April 10, 1972
3,835,387	September 10, 1974	Rookes et al.	725/151	November 15, 1972
3,842,196	October 15, 1974	Loughlin.	348/486	November 12, 1973
3,845,391	October 29, 1974	Crosby	455/39	July 15, 1971
3,882,392	May 6, 1975	Harney	725/79	January 29, 1973

PATENT	DATE	NAME	CLASS	FILING DATE
3,890,461	June 17, 1975	Vogelman et al.	380/228	March 27, 1973
3,891,792	June 24, 1975	Kimura	348/622	June 25, 1974
3,893,031	July 1, 1975	Majeau et al.	380/274	November 8, 1972
3,894,176	July 8, 1995	Mellon	380/230	178/5.1
3,899,633	August 12, 1975	Sorenson et al.	380/207	May 12, 1972
3,911,216	October 7, 1975	Bartek et al.	380/46	December 17, 1973
3,914,534	October 21, 1975	Forbes	380/220	October 29, 1973
3,916,091	October 28, 1975	Kirk, Jr. et al.	380/242	January 31, 1973
3,919,462	November 11, 1975	Hartung et al.	380/235	August 15, 1973
3,921,151	November 18, 1975	Guanella	380/36	July 12, 1973
3,934,079	January 20, 1976	Barnhart	725/131	October 26, 1973
3,936,593	February 3, 1976	Aaronson et al.	380/219	August 5, 1974
3,936,594	February 3, 1976	Schubin et al.	380/238	August 5, 1974
3,949,313	April 6, 1976	Tamada et al.	341/50	May 28, 1974
3,956,615	May 11, 1976	Anderson et al.	705/72	June 25, 1974
3,970,790	July 20, 1976	Guanella	380/36	March 7, 1974
3,978,449	August 31, 1976	Sanders et al.	714/823	January 27, 1975
3,987,398	October 19, 1976	Fung	725/127	July 5, 1974
3,988,528	October 26, 1976	Yanagimachi et al.	348/24	August 27, 1973
3,997,718	December 14, 1976	Ricketts et al.	725/114	November 11, 1974
4,024,574	May 17, 1977	Nieson	380/232	February 26, 1975
4,025,947	May 24, 1977	Michael	348/705	May 28, 1974
4,025,948	May 24, 1977	Loshin	380/228	February 25, 1975
4,048,619	September 13, 1977	Forman, Jr. et al.	370/485	September 17, 1976
4,049,906	September 20, 1977	Hafner et al.	178/2C	April 21, 1976
4,058,830	November 15, 1977	Gulnet et al.	380/212	June 3, 1976
4,068,264	January 10, 1978	Pires	380/233	July 19, 1976
4,079,419	March 14, 1978	Siegle et al.	348/732	October 29, 1975
4,081,612	March 28, 1978	Hafner	370/393	July 14, 1976
4,081,753	March 28, 1978	Miller	455/158.2	December 13, 1976
4,091,417	May 23, 1978	Nieson	380/232	February 23, 1977
4,104,486	August 1, 1978	Martin et al.	379/106.06	June 29, 1976
4,112,464	September 5, 1978	Gulf et al.	380/241	May 11, 1977
4,115,662	September 19, 1978	Gulnet et al.	380/212	September 6, 1977
4,115,807	September 19, 1978	Pires	380/233	November 1, 1976
4,120,030	October 10, 1978	Johnstine	713/190	March 11, 1977
4,130,833	December 19, 1978	Choenet	380/220	April 11, 1977
4,138,726	February 26, 1979	Girault et al.	345/113	June 29, 1977
4,160,120	July 3, 1979	Barnes et al.	380/29	November 17, 1977
4,161,751	July 17, 1979	Ost	725/25	May 19, 1977
4,163,254	July 31, 1979	Block et al.	380/233	February 14, 1977
4,163,255	July 31, 1979	Pires	380/233	June 15, 1978
4,168,396	September 18, 1979	Best	713/190	October 31, 1977
4,170,782	October 9, 1979	Miller	725/14	October 28, 1977
4,171,513	October 16, 1979	Otey et al.	380/43	July 22, 1969
4,172,213	October 23, 1979	Barnes et al.	380/29	November 17, 1977
4,186,413	January 29, 1980	Mortimer	348/473	November 14, 1977
4,196,310	April 1, 1980	Forman et al.	380/46	November 3, 1977
4,200,770	April 29, 1980	Hellman et al.	380/30	September 6, 1977

PATENT	DATE	NAME	CLASS	FILING DATE
4,200,913	April 29, 1980	Kuhar et al.	341/23	April 13, 1977
4,215,366	July 29, 1980	Davidson	380/235	April 24, 1979
4,215,370	July 29, 1980	Kirk, Jr.	375/240.01	February 22, 1978
4,225,967	September 3, 1980	Miwa et al.	455/68	January 9, 1978
4,232,193	November 4, 1980	Gerard	380/36	May 3, 1978
4,236,217	November 25, 1980	Kennedy	702/61	April 20, 1979
4,237,484	December 2, 1980	Brown et al.	375/240.12	August 8, 1979
4,247,106	January 27, 1981	Jeffers et al.	463/29	April 12, 1978
4,250,524	February 10, 1981	Tomizawa	380/232	February 22, 1979
4,253,114	February 24, 1981	Tang et al.	380/212	September 26, 1978
4,253,157	February 24, 1981	Kirschner et al.	707/104	September 29, 1978
4,262,329	April 14, 1981	Bright et al.	713/164	March 27, 1978
4,264,925	April 28, 1981	Freeman et al.	725/138	August 13, 1979
4,266,243	May 5, 1981	Shutterly	380/236	April 25, 1979
4,275,411	June 23, 1981	Lippel	348/472	April 19, 1978
4,283,602	August 11, 1981	Adams et al.	380/41	September 23, 1968
4,284,976	August 18, 1981	Gable et al.	340/825.43	June 7, 1979
4,286,281	August 25, 1981	Suzuki	386/12	September 26, 1979
4,287,592	September 1, 1981	Paulish et al.	370/403	May 23, 1979
4,288,809	September 8, 1981	Yabe	348/468	May 21, 1980
4,290,141	September 15, 1981	Anderson et al.	725/24	July 2, 1979
4,295,223	October 13, 1981	Shutterly	455/72	April 25, 1979
4,302,771	November 24, 1981	Gargini	725/119	July 23, 1980
4,304,990	December 8, 1981	Atalla	380/45	February 4, 1980
4,305,131	December 8, 1981	Best	345/327	March 31, 1980
4,306,289	December 15, 1981	Lumley	713/190	February 4, 1980
4,306,305	December 15, 1981	Doi et al.	714/755	October 19, 1979
4,307,446	December 22, 1981	Barton et al.	710/131	May 2, 1979
4,310,854	January 12, 1982	Baer	348/484	August 28, 1979
4,312,016	January 19, 1982	Glaab et al.	348/706	February 2, 1979
4,313,132	January 26, 1982	Doles et al.	725/26	October 31, 1979
4,314,367	February 2, 1982	Bakka et al.	370/422	January 17, 1980
4,316,055	February 16, 1982	Feistel	380/37	December 30, 1976
4,316,245	February 16, 1982	Luu et al.	709/106	December 7, 1978
4,318,125	March 2, 1982	Shutterly	380/236	April 25, 1979
4,319,079	March 9, 1982	Best	713/190	January 17, 1980
4,322,745	March 30, 1982	Saeki et al.	380/242	March 21, 1980
4,323,921	April 6, 1982	Guillou	705/53	January 23, 1980
4,323,922	January 6, 1982	de Toonder et al.	380/226	December 17, 1979
4,325,078	April 13, 1982	Seatom et al.	380/230	November 20, 1979
4,329,675	May 11, 1982	Van Hulle	725/32	September 23, 1980
4,329,684	May 11, 1982	Monteath et al.	345/180	January 15, 1980
4,332,980	June 1, 1982	Reynolds et al.	370/259	May 30, 1980
4,334,242	June 8, 1982	Mangold	386/46	January 14, 1980
4,336,553	June 22, 1982	den Toonder et al.	380/206	May 14, 1980
4,336,559	June 22, 1982	Koyama et al.	260/73.05	November 9, 1978
4,337,480	June 29, 1982	Bourassin et al.	348/552	February 8, 1980
4,338,628	July 6, 1982	Payne et al.	380/213	December 19, 1979
4,339,798	July 13, 1982	Hedges et al.	463/26	December 17, 1979

PATENT	DATE	NAME	CLASS	FILING DATE
4,340,903	July 20, 1982	Tamura	348/187	August 6, 1980
4,347,498	August 31, 1982	Lee et al.	340/825.02	November 21, 1979
4,347,532	August 31, 1982	Korver	348/565	October 14, 1980
4,353,088	October 5, 1982	den Toonder et al.	380/206	May 14, 1980
4,354,201	October 12, 1982	Sechet et al.	380/228	June 11, 1980
4,361,877	November 30, 1982	Dyer et al.	702/176	February 5, 1980
4,364,081	December 14, 1982	Hashimoto et al.	348/617	April 16, 1981
4,365,110	December 21, 1982	Lee et al.	380/28	June 5, 1979
4,367,548	January 4, 1983	Cotten, Jr. et al.	359/125	April 10, 1980
4,367,557	January 4, 1983	Stern et al.	725/149	May 25, 1979
4,375,579	March 1, 1983	Davida et al.	380/28	January 30, 1980
4,375,651	March 1, 1983	Templin et al.	348/731	July 27, 1981
4,379,205	April 5, 1983	Wyner	380/28	June 22, 1979
4,388,643	June 14, 1983	Aminetzah	380/239	April 6, 1981
4,388,645	June 14, 1983	Cox et al.	348/468	April 13, 1981
4,389,671	June 21, 1983	Posner et al.	380/235	September 29, 1980
4,390,898	June 28, 1983	Bond et al.	380/241	March 23, 1981
4,394,691	July 19, 1983	Amano et al.	348/734	July 30, 1981
4,394,762	July 19, 1981	Nabeshima	714/758	January 6, 1981
4,395,757	July 26, 1983	Bienvenu et al.	709/104	April 14, 1981
4,396,947	August 2, 1983	Cheung	380/222	March 26, 1980
4,398,216	August 9, 1983	Field et al.	380/238	September 19, 1980
4,400,587	August 23, 1983	Taylor et al.	379/113	August 25, 1981
4,405,942	September 20, 1983	Block et al.	380/214	March 3, 1982
4,410,917	October 18, 1983	Newdoll et al.	360/15	September 14, 1981
4,413,339	November 1, 1983	Riggle et al.	714/765	July 24, 1981
4,424,532	January 3, 1984	den Toonder et al.	380/226	May 9, 1983
4,425,581	January 10, 1984	Schwepe et al.	348/510	April 17, 1981
4,433,207	February 21, 1984	Best	713/190	September 10, 1981
4,434,323	February 28, 1984	Levine et al.	380/260	June 29, 1981
4,434,436	February 28, 1984	Kleykamp et al.	380/209	July 13, 1981
4,434,464	February 28, 1984	Suzuki et al.	711/164	March 31, 1981
4,446,519	May 1, 1984	Thomas	711/164	May 26, 1981
4,467,139	August 21, 1984	Mollier	713/181	March 12, 1981
4,467,356	August 21, 1984	McCoy	348/385.1	September 24, 1981
4,471,163	September 11, 1984	Donald et al.	705/55	October 5, 1981
4,471,164	September 11, 1984	Henry	380/30	October 13, 1981
4,475,123	October 2, 1984	Dumbauld et al.	380/211	April 2, 1981
4,513,174	April 23, 1985	Herman	711/214	March 19, 1981
4,528,588	July 9, 1985	Lofberg	340/5.1	May 18, 1982
4,528,589	July 9, 1985	Block et al.	380/241	February 1, 1984
4,593,353	June 3, 1986	Pickholtz	705/55	October 26, 1981
4,598,288	July 1, 1986	Yarbrough et al.	340/5.74	December 20, 1983
4,689,661	August 25, 1987	Barbieri et al.	375/240.01	June 22, 1981
4,706,282	November 10, 1987	Knowd	713/168	December 23, 1985
4,908,713	March 13, 1990	Levine	386/83	June 29, 1988
4,963,994	October 16, 1990	Levine	386/83	February 23, 1990
RE 31735	November 13, 1984	Davidson	380/235	July 26, 1982